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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of: Otway, David J. *et al.*

Serial No.: 10/709,657

Filed: May 20, 2004

For: *STRONG MUTUAL AUTHENTICATION OF DEVICES*

Attorney Docket No.: CXT-052DV

Art Unit: 2134

Examiner: Not Yet Assigned

MS Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

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Dated: April 14, 2005

Signature:

(Christopher J. McKenna)

**INFORMATION DISCLOSURE STATEMENT**

Dear Sir:

For the Examiner's convenience in reviewing this continuation application, Applicants submit a consolidated PTO Form SB/08, listing all references cited during the prosecution of the parent application. The present application is a continuation of U.S. Patent Application No. 09/617,380, filed July 17, 2000 (Attorney Docket No. CXT-052). All references listed on the enclosed PTO Form SB/08 have been previously cited by or submitted to the Office in the prior application, and, in accordance with 37 CFR §1.98(d), copies of the references are not enclosed. Applicants will provide copies of the references upon request.

In addition, Applicants specifically direct the Examiner's attention to the following co-pending United States patent applications:

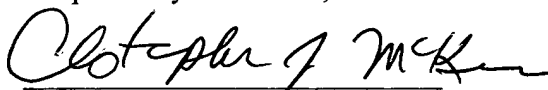
Attorney Docket No.	Serial No./ Patent No.	Filing Date
CXT-028	5,515,111	01-07-1996
CXT-050	09/704,920	11-02-2000
CXT-051	09/579,910	05-26-2000
CXT-052	09/617,380	07-17-2000
CXT-057	10/706,117	11-03-2000
CXT-057CN	10/709,806	05-28-2004

This statement is not to be interpreted as a representation that the cited publications are material, that an exhaustive search has been conducted, or that no other relevant information exists. Nor shall the citation of any publication herein be construed *per se* as a representation that such publication is prior art. Moreover, Applicants understand that the Examiner will make an independent evaluation of the cited publications.

Applicants submit that the Information Disclosure Statement is in compliance with 37 CFR 1.98 and respectfully requests that the references be expressly considered during the prosecution of this application and be made of record therein.

Date: April 14, 2005

Respectfully submitted,



Christopher J. McKenna, Esq.

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\* Admitted in TX only  
\*\* Admitted in CT only

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For: *STRONG MUTUAL AUTHENTICATION OF DEVICES*  
Inventor: Otway, David J. *et al.*  
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Our Ref. No.: CXT-052DV

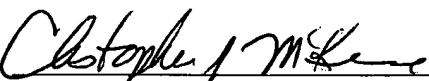
Dear Sir:

I enclose herewith for filing in the above-identified application the following:

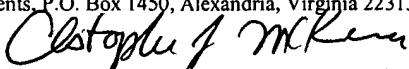
1. Information Disclosure Statement;
2. PTO Form SB/08; and
3. A Return Postcard.

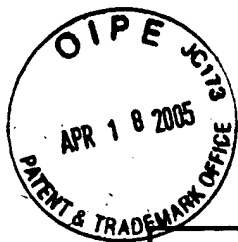
No additional costs are believed to be due in connection with the filing of this Information Disclosure Statement. However, please charge any necessary fees in connection with the enclosed statement to our Deposit Order Account No. 12-0080. For this purpose, a duplicate of this sheet is attached.

Respectfully submitted,  
LAHIVE & COCKFIELD, LLP

  
Christopher J. McKenna, Esq.  
Registration No. 53,302  
Attorney for Applicant

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(Christopher J. McKenna)



PTO/SB/08a/b (08-03)

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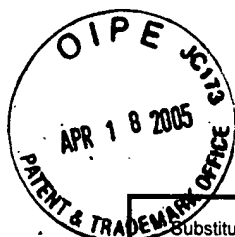
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				Application Number	10/709,657
				Filing Date	May 20, 2004
				First Named Inventor	Otway, David J.
				Art Unit	2134
				Examiner Name	Not Yet Assigned
Sheet	1	of	4	Attorney Docket Number	CXT-052DV

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (# known)			
	A1	4,649,410	10-Mar-87	Ohashi	
	A2	4,807,029	21-Feb-89	Tanaka	
	A3	4,887,204	12-Dec-89	Johnson <i>et al.</i>	
	A4	4,924,378	08-May-90	Hershey <i>et al.</i>	
	A5	4,937,784	26-Jun-90	Masai <i>et al.</i>	
	A6	5,014,221	7-May-91	Mogul	
	A7	5,161,015	3-Nov-92	Citta <i>et al.</i>	
	A8	5,164,727	17-Nov-92	Zakhor <i>et al.</i>	
	A9	5,175,852	29-Dec-99	Johnson <i>et al.</i>	
	A10	5,202,971	13-Apr-93	Henson <i>et al.</i>	
	A11	5,204,897	20-Apr-93	Wyman	
	A12	5,229,864	20-Jul-93	Moronaga <i>et al.</i>	
	A13	5,305,440	19-Apr-94	Morgan <i>et al.</i>	
	A14	5,325,527	28-Jun-94	Cwikowski <i>et al.</i>	
	A15	5,329,619	12-Jul-94	Page <i>et al.</i>	
	A16	5,341,477	23-Aug-94	Pitkin <i>et al.</i>	
	A17	5,341,478	23-Aug-94	Travis, Jr. <i>et al.</i>	
	A18	5,359,721	25-Oct-94	Kempf <i>et al.</i>	
	A19	5,367,688	22-Nov-94	Croll	
	A20	5,390,297	14-Feb-95	Barber <i>et al.</i>	
	A21	5,412,717	02-May-95	Fischer	
	A22	5,440,719	8-Aug-95	Hanes <i>et al.</i>	
	A23	5,455,953	03-Oct-95	Russell	
	A24	5,491,750	13-Feb-96	Bellare <i>et al.</i>	
	A25	5,504,814	02-Apr-96	Miyahara	
	A26	5,509,070	16-Apr-96	Schull	
	A27	5,515,508	7-May-96	Pettus <i>et al.</i>	
	A28	5,524,238	04-Jun-96	Miller <i>et al.</i>	
	A29	5,544,246	06-Aug-96	Mandelbaum <i>et al.</i>	
	A30	5,550,976	27-Aug-96	Henderson <i>et al.</i>	
	A31	5,550,981	27-Aug-96	Bauer <i>et al.</i>	
	A32	5,553,139	03-Sep-96	Ross <i>et al.</i>	
	A33	5,557,732	17-Sep-96	Thompson	
	A34	5,560,008	24-Sep-96	Johnson <i>et al.</i>	
	A35	5,564,016	08-Oct-96	Korenshtein	
	A36	5,583,992	10-Dec-96	Kudo	
	A37	5,592,549	07-Jan-97	Nagel <i>et al.</i>	
	A38	5,604,490	18-Feb-97	Blakley, III <i>et al.</i>	
	A39	5,638,513	10-Jun-97	Ananda	

Examiner Signature		Date Considered	
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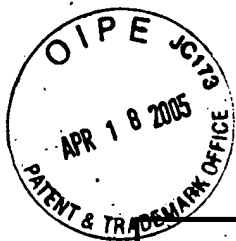
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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	10/709,657
				Filing Date	May 20, 2004
				First Named Inventor	Otway, David J.
				Art Unit	2134
				Examiner Name	Not Yet Assigned
Sheet	2	of	4	Attorney Docket Number	CXT-052DV

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	A40	5,657,390	12-Aug-97	Elgamal <i>et al.</i>	
	A41	5,666,501	09-Sep-97	Jones <i>et al.</i>	
	A42	5,668,876	16-Sep-97	Falk <i>et al.</i>	
	A43	5,668,999	16-Sep-97	Gosling	
	A44	5,671,354	23-Sep-97	Ito <i>et al.</i>	
	A45	5,689,708	18-Nov-97	Regnier <i>et al.</i>	
	A46	5,706,349	01-Jan-98	Aditham <i>et al.</i>	
	A47	5,729,734	17-Mar-98	Parker <i>et al.</i>	
	A48	5,737,416	07-Apr-98	Cooper <i>et al.</i>	
	A49	5,742,757	21-Apr-98	Hamadani <i>et al.</i>	
	A50	5,794,207	11-Aug-98	Walker <i>et al.</i>	
	A51	5,809,144	15-Sep-98	Sirbu <i>et al.</i>	
	A52	5,818,939	07-Oct-98	Davis	
	A53	5,881,226	9-Mar-99	Veneklase	
	A54	5,918,228	29-Jun-99	Rich <i>et al.</i>	
	A55	5,923,756	13-Jul-99	Shambroom	
	A56	5,944,791	31-Aug-99	Scherpbier	
	A57	5,956,407	21-Sep-99	Slavin	
	A58	5,991,878	21-Nov-99	McDonough <i>et al.</i>	
	A59	6,049,785	11-Apr-00	Gifford	
	A60	6,078,908	20-Jun-00	Schmitz	
	A61	6,094,485	25-Jul-00	Weinstein <i>et al.</i>	
	A62	6,131,116	10-Oct-00	Riggins <i>et al.</i>	
	A63	6,289,461 B1	11-Sep-01	Dixon	
	A64	2001/0056547	27-Dec-01	Dixon	
	A65	6,609,206 B1	19-Aug-03	Veneklase	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
	B1	GB 2 168 831 A	06-25-1986	STEEBEK SYSTEMS LTD(GB)		
	B2	WO 93/15457 A1	08-05-1993	PARALLEL PCs, INC		
	B3	WO 94/28670 A1	12-08-1994	NOKIA TELECOMMUNICATIONS OY		
	B4	EP 0 643 514 A2	03-15-1995	INTERNATIONAL BUSINESS MACHINES CORPORATION		
	B5	EP 0 679 980 A1	11-02-1995	INTERNATIONAL BUSINESS MACHINES CORPORATION		
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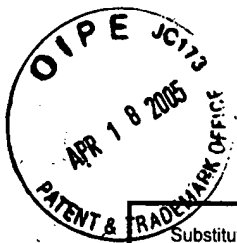
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		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
	B6	EP 0 734 144 A2	09-25-1996	SIEMENS AKTIENGESELLSCHAFT		
	B7	WO 97/18635	05-22-1997	INTERNATIONAL BUSINESS MACHINES CORPORATION <i>et al.</i>		
	B8	NL 1007409	11-18-1997	KONINGKLYKE PTT NEDERLAND NV	ABSTRACT	
	B9	EP 0 851 628 A1	07-01-1998	ICO SERVICES LTD.		
	B10	WO 98/38762 A2	09-03-1998	SIEBEL SYSTEMS, INC.		
	B11	EP 0 875 871 A2	11-04-1998	SCHMITZ, KIM		
	B12	WO 98/52344	11-19-1998	TELEFONAKTIEBOLAGET LM ERICSSON		
	B13	WO 99/35783 A1	07-15-1999	CYBERSAFE CORPORATION		

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS			
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	C1	"IBM: "IBM Operating System/2 Version 1.2 Profile Validation Hooks", pages 1-26, November 22, 1989.	
	C2	"Network Neighborhood", <a href="http://www.internet.com">http://www.internet.com</a> , © 1999 internet.com	
	C3	Allison, B. <i>et al.</i> "File System Security: Secure Network Data Sharing For NT And UNIX" Network Appliance, Inc., Tech Library, January 16, 1998 pages 1-16 (double sided)	
	C4	Conry-Murray, A. "Web services security specifications" <i>Network Magazine</i> 2003, pp. 20, 22.	
	C5	Dawson, E. <i>et al.</i> "Key Management in a non-trusted distributed environment." <i>Future Generation Computer Systems</i> , Elsevier Science Publishers, Amsterdam, 16(2000):319-29.	
	C6	Gong, L. "Using One-Way Functions for Authentication" University of Cambridge Computer Laboratory, Cambridge CB2 3QG, England, July 1989, pages 8-11	
	C7	Kay, R. "Authentication" <i>Computerworld</i> , March 27, 2000, pages 77-79.	
	C8	Maxemchuk, N.F. <i>et al.</i> "The Use of Communications Networks to Increase Personal Privacy" from <i>IEEE INFOCOM' 95</i> , Proceedings, Vol. 2, April 2-6 1995, Pages 504-512.	
	C9	Millman, H. "Give Your Computer the Finger", <i>Computerworld</i> , March 27, 2000	

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	C10	Neuman, B.C. "Proxy-Based Authorization and Accounting for Distributed Systems", © IEEE, May 25, 1993, pages 283-291	
	C11	Nicholson, M. "How To Hold Mobile Users To Account" Financial Times, Tuesday, May 2, 2000.	
	C12	Otway, D. <i>et al.</i> "Efficient and Timely Mutual Authentication", The ANSA Project, 24 Hills Road, Cambridge CB21JP United Kingdom, pages 8-10	
	C13	Patent Cooperation Treaty, International Search Report, International Application No. PCT/US01/45461, Mailed on November 13, 2002, 7 pages.	
	C14	Paulson, L.C. "Mechanized Proofs for a Recursive Authentication Protocol" Computer Laboratory, University of Cambridge, Pembroke Street, Cambridge CB2 3QG, England, pages 84-94	
	C15	Ryan, P.Y.A. <i>et al.</i> , "An attack on a recursive authentication protocol: A cautionary tale" Information Processing Letters 65, 1998 Elsevier Science B.V., pages 7-10	
	C16	Savvas, T. "Handset Giants Launch Security System" www.computerweekly.com	
	C17	Seife, C. "Algorithmic Gladiators Vie For Digital Glory" www.sciencemag.org, Science, Vol 288, May 19, 2000, pages 1161 & 1163.	
	C18	Sirbu, M.A. <i>et al.</i> "Distributed authentication in Kerberos using public key cryptography." IEEE, 1997, pp. 134-141.	
	C19	Stallings, W. "Chapter 5: Confidentiality using conventional encryption." In <u>Cryptography and Network Security: Confidentiality</u> 1998, Prentice Hall, pp.131-157.	
	C20	Terao <i>et al.</i> "A shared secure server for multiple closed networks." IEEE, 1999, pp.32-39	
	C21	Win95 Tutorial: Index of Topics. <a href="http://orion.valencia.cc.fl.us/tutorials/Win95demo/net.html">http://orion.valencia.cc.fl.us/tutorials/Win95demo/net.html</a> , printed 12/27/99 (2 pages)	
	C22	Yager, T. "OS Paradise" BYTE, November, 1995	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

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